

IN THE ABSTRACT OF THE DISCLOSURE:

Please add the following Abstract of the Disclosure:

The present invention relates to mobile telecommunication systems. The present invention overcomes the problem of unnecessary retransmissions over the air interface. These transmissions waste the capacity of the air interface. In a preferred embodiment, a Discarding TCP Packets (DTCPP) entity is added to the PDCP layer. The DTCPP entity has the knowledge of the correspondence between the PDCP sequence numbering and the TCP segments sequence numbering correspondence. Further, the DTCPP entity has the knowledge of which TCP segments have been successfully received by the TCP-UE. This knowledge can be gained reading the TCP acknowledgements at the UL PDCP, where the sequence number of the correctly received byte is stated. The present invention describes a method and system for avoiding multiple transmissions of the same TCP segment.